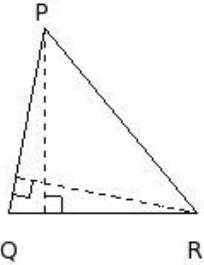


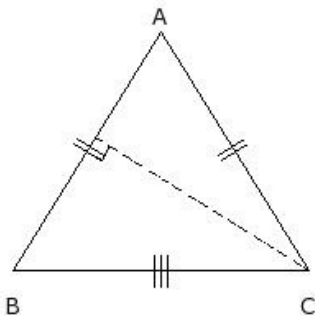


1. In  $\triangle PQR$ , if  $QR = 11$  cm,  $RP = 14$  cm and the corresponding height of side  $QR = 10.8$  cm, then corresponding height of side  $PQ =$



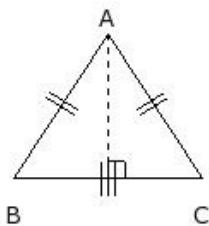
- (i) 15.80 cm (ii) 13.80 cm (iii) 10.80 cm (iv) 7.80 cm (v) 5.80 cm
2. The sides of a triangular plot are in the ratio 17:19:10 and perimeter is 460 m. Find its area
- (i) 8321.13 sq.m (ii) 8601.13 sq.m (iii) 8631.13 sq.m (iv) 8391.13 sq.m (v) 8471.13 sq.m

3. In an isosceles triangle  $\triangle ABC$ , if  $BC = 18$  cm,  $CA = AB$  and perimeter is 52 cm, then corresponding height of side  $AB =$



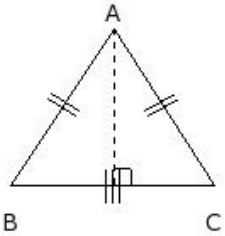
- (i) 10.27 cm (ii) 20.27 cm (iii) 15.27 cm (iv) 12.27 cm (v) 18.27 cm
4. A floral design on a floor is made up of 15 triangular shaped tiles. The sides of each tile are 11 cm, 20 cm and 10 cm. If the cost of polishing the tiles is ₹3.50 per sq cm, find the total cost to polishing all the tiles.
- (i) ₹1518.72 (ii) ₹1798.72 (iii) ₹1678.72 (iv) ₹1838.72 (v) ₹1528.72

5. In an isosceles triangle  $\triangle ABC$ , if base  $BC = 11$  cm and the corresponding height is 8.35 cm, then side  $CA =$



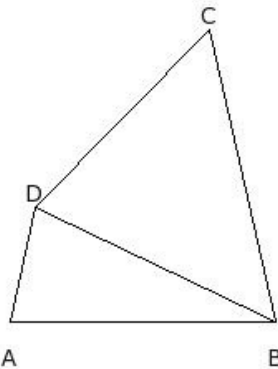
- (i) 13.00 cm (ii) 10.00 cm (iii) 15.00 cm (iv) 5.00 cm (v) 7.00 cm

6. In an isosceles triangle  $\triangle ABC$ , the corresponding height of the side BC is 9.22 cm and area is 55.32 sq.cm, then side AB =



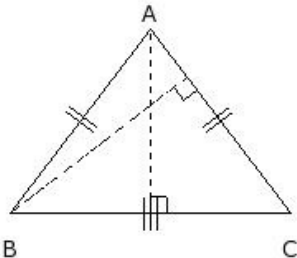
- (i) 16.00 cm (ii) 14.00 cm (iii) 8.00 cm (iv) 11.00 cm (v) 6.00 cm

7. Some volunteers on a cleanliness drive decided to clean an open ground in the shape of a quadrilateral ABCD, where  $AB = 16.00$  m,  $BC = 18.00$  m,  $CD = 15.00$  m, and  $DA = 7.00$  m. They split into two groups m and n and started cleaning on either sides of the diagonal BD. Group m marked their perimeter which is of length 39 m. Which group cleaned more area? Find the total area cleaned by both groups.



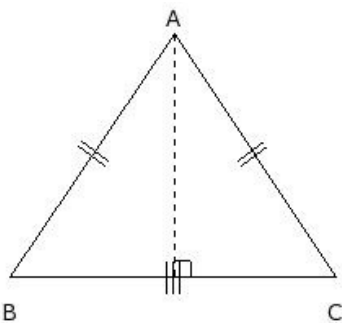
- (i) group m, 145.00 sq.m (ii) group m, 156.00 sq.m (iii) group m, 172.00 sq.m (iv) group m, 192.00 sq.m  
(v) group n, 168.00 sq.m

8. In an isosceles triangle  $\triangle ABC$ , the corresponding height of the side BC is 11.12 cm and area is 94.56 sq.cm, then corresponding height of side CA =



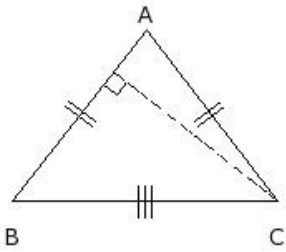
- (i) 16.51 cm (ii) 18.51 cm (iii) 8.51 cm (iv) 13.51 cm (v) 10.51 cm

9. In an isosceles triangle  $\triangle ABC$ , the corresponding height of the side BC is 14.97 cm and area is 149.67 sq.cm, then side BC =



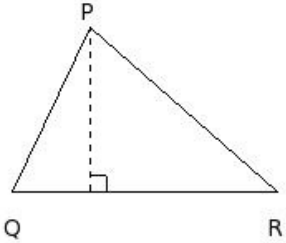
- (i) 25.00 cm (ii) 23.00 cm (iii) 15.00 cm (iv) 17.00 cm (v) 20.00 cm

10. In an isosceles triangle  $\triangle ABC$ , if  $BC = 16$  cm,  $AB = CA = 13$  cm, then corresponding height of side  $AB =$



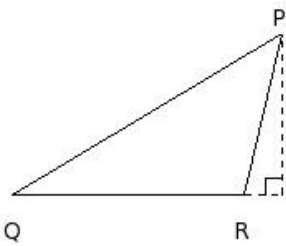
- (i) 7.61 cm (ii) 17.61 cm (iii) 15.61 cm (iv) 12.61 cm (v) 9.61 cm

11. In  $\triangle PQR$ , if  $QR = 16$  cm,  $RP = 15$  cm and the corresponding height of side  $QR = 9.92$  cm, then side  $PQ =$



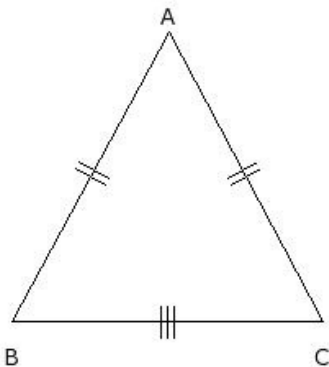
- (i) 14.00 cm (ii) 16.00 cm (iii) 8.00 cm (iv) 11.00 cm (v) 6.00 cm

12. In  $\triangle PQR$ , if  $QR = 14$  cm,  $RP = 10$  cm and the corresponding height of side  $QR = 9.73$  cm, then perimeter of the triangle =



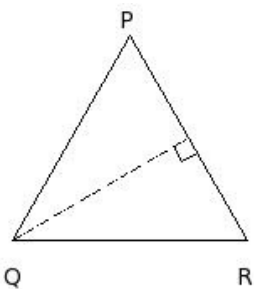
- (i) 38.00 cm (ii) 40.00 cm (iii) 48.00 cm (iv) 46.00 cm (v) 43.00 cm

13. In an isosceles triangle  $\triangle ABC$ , if base  $BC = 19$  cm and area is 167.2 sq.cm, then side  $CA =$



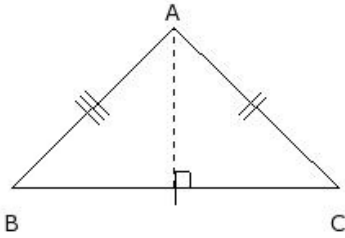
- (i) 25.00 cm (ii) 23.00 cm (iii) 20.00 cm (iv) 15.00 cm (v) 17.00 cm

14. In  $\triangle PQR$ , if  $QR = 14$  cm,  $RP = 14$  cm,  $PQ = 14$  cm, then corresponding height of side  $RP =$



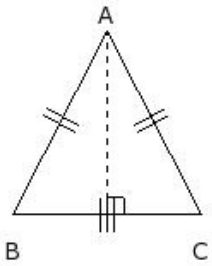
- (i) 17.12 cm (ii) 7.12 cm (iii) 9.12 cm (iv) 12.12 cm (v) 15.12 cm

15. In an isosceles triangle  $\triangle ABC$ , if base  $BC = 20$  cm and the corresponding height is 9.8 cm, then area of the triangle =



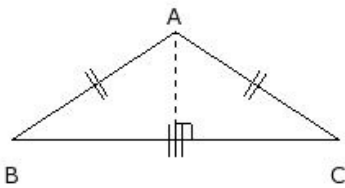
- (i) 102.98 sq.cm (ii) 97.98 sq.cm (iii) 92.98 sq.cm (iv) 94.98 sq.cm (v) 100.98 sq.cm

16. In an isosceles triangle  $\triangle ABC$ , if base  $BC = 11$  cm and area is 58.66 sq.cm, then corresponding height of side BC =



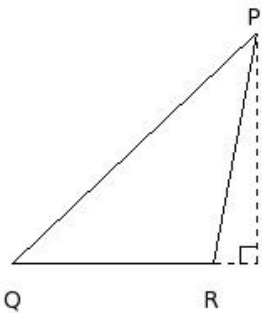
- (i) 13.67 cm (ii) 7.67 cm (iii) 10.67 cm (iv) 15.67 cm (v) 5.67 cm

17. In an isosceles triangle  $\triangle ABC$ , if  $BC = 20$  cm,  $AB = CA = 12$  cm, then corresponding height of side BC =



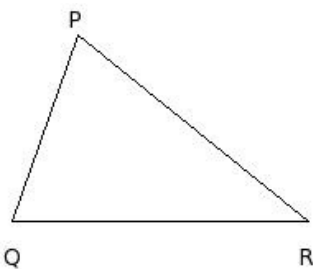
- (i) 8.63 cm (ii) 7.63 cm (iii) 6.63 cm (iv) 4.63 cm (v) 5.63 cm

18. In  $\triangle PQR$ , if  $QR = 12$  cm,  $RP = 14$  cm and perimeter = 46 cm, then corresponding height of side QR =



- (i) 16.77 cm (ii) 8.77 cm (iii) 13.77 cm (iv) 10.77 cm (v) 18.77 cm

19. In  $\triangle PQR$ , if  $QR = 18$  cm,  $RP = 18$  cm,  $PQ = 12$  cm, then area of the triangle =

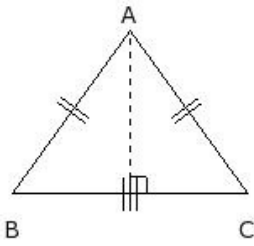


- (i) 101.82 sq.cm (ii) 96.82 sq.cm (iii) 117.82 sq.cm (iv) 129.82 sq.cm (v) 78.82 sq.cm

20. A field is in the shape of a trapezium whose parallel sides are 35 m and 10 m. The non parallel sides are 22 m and 14 m. Find the area of the field.

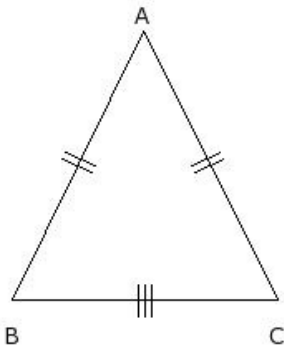
(i) 272.09 sq.m (ii) 299.09 sq.m (iii) 276.09 sq.m (iv) 294.09 sq.m (v) 258.09 sq.m

21. In an isosceles triangle  $\triangle ABC$ , if base  $BC = 14$  cm and the corresponding height is 9.75 cm, then side  $AB =$



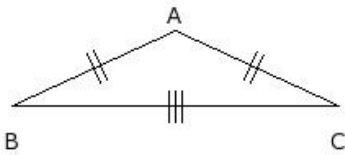
(i) 15.00 cm (ii) 7.00 cm (iii) 9.00 cm (iv) 17.00 cm (v) 12.00 cm

22. In an isosceles triangle  $\triangle ABC$ , if  $BC = 16$  cm,  $CA = AB$  and perimeter is 52 cm, then area of the triangle =



(i) 134.00 sq.cm (ii) 156.00 sq.cm (iii) 123.00 sq.cm (iv) 129.00 sq.cm (v) 115.00 sq.cm

23. In an isosceles triangle  $\triangle ABC$ , if  $BC = 20$  cm,  $AB = CA = 11$  cm, then area of the triangle =

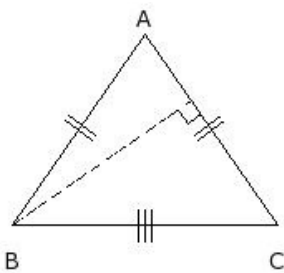


(i) 40.83 sq.cm (ii) 42.83 sq.cm (iii) 50.83 sq.cm (iv) 48.83 sq.cm (v) 45.83 sq.cm

24. A farmer has a piece of land in the shape of a rhombus. He decided to divide the land into two equal parts such that both his son and daughter could work on the land to produce different crops. If the perimeter of the land is 760.00 m and one of the diagonals is 200 m, how much area will each get for their crops?

(i) 16155.49 sq.m (ii) 17855.49 sq.m (iii) 13555.49 sq.m (iv) 15555.49 sq.m

25. In an isosceles triangle  $\triangle ABC$ , if  $BC = 16$  cm,  $CA = AB$  and perimeter is 44 cm, then corresponding height of side  $CA =$



(i) 18.13 cm (ii) 10.13 cm (iii) 13.13 cm (iv) 8.13 cm (v) 16.13 cm

## Assignment Key

1) (iii)	2) (v)	3) (iii)	4) (iii)	5) (ii)	6) (iv)
7) (v)	8) (iv)	9) (v)	10) (iv)	11) (iv)	12) (v)
13) (iii)	14) (iv)	15) (ii)	16) (iii)	17) (iii)	18) (iii)
19) (i)	20) (iii)	21) (v)	22) (iv)	23) (v)	24) (i)
25) (iii)					